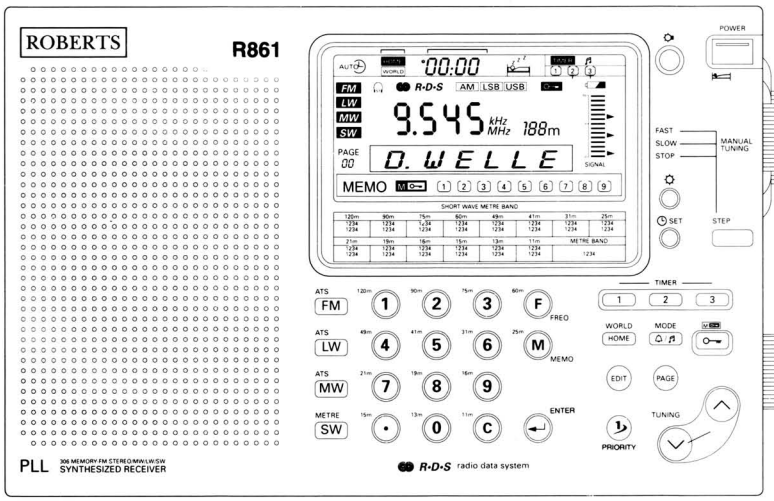
ROBERTS

Sound for Generations

R861

Multi-band Digital PLL RDS World Radio



IMPORTANT (Please read before use)

SW Memories

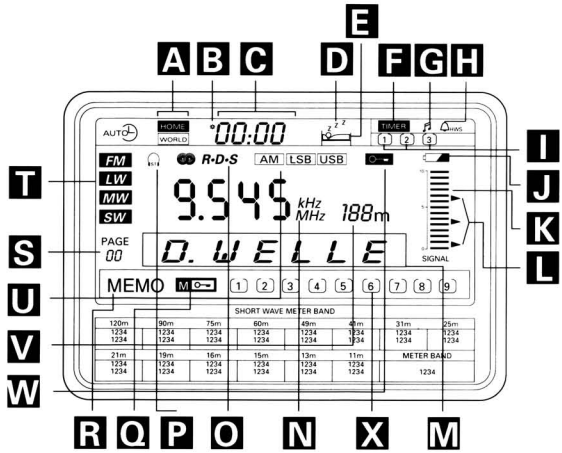
The R861 is supplied with 28 of the 29 pages of SW memory pre-programmed. Not all of the stations pre-programmed into the memories will be receivable, some will only be receivable at certain times of the day.

When selecting a page of memory (see page 7 of the instruction book) the R861 will scan and select the memory pre-set for the strongest station. At certain times the strongest station may not be from the country/station of the page selected.

This happens for example when say the BBC world service is not transmitting on one of their frequencies at a particular time-the frequency then becomes available to another broadcaster. If this should occur simply press one of the pre-set buttons 1-9 until the desired station is received.

Note:

Due to the constantly changing frequencies and transmission times used on shortwave the user should contact the relevant broadcasting station for the most up to date information regarding transmission times and frequencies.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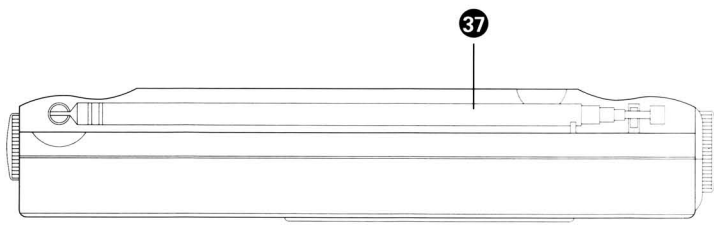
SHORT WAVE METER BAND
METER BAND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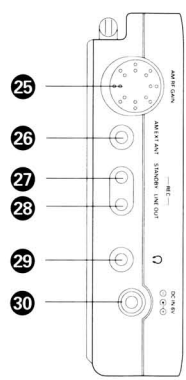
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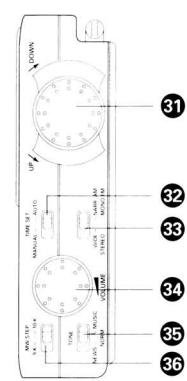
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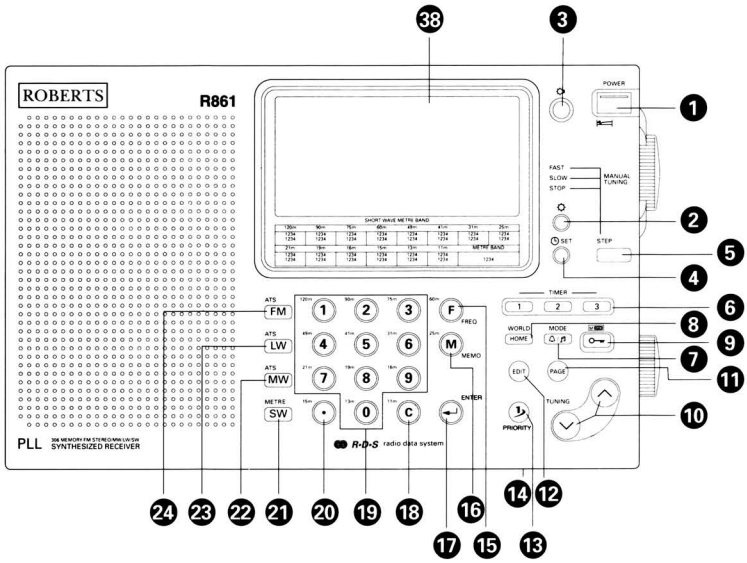
ROBERTS
R861
POWER
FAST
SLOW
STOP
MANUAL TUNING
SET
STEP
TIMER
WORLD HOME
MODE
PAGE
EDIT
TUNING
PRIORITY
ENTER
MEMO
FREQ
ATS FM
ATS LW
ATS MW
METRE SW
SHORT WAVE METRE BAND
METRE BAND
PLL
SYNTHESIZED RECEIVER
R·D·S radio data system
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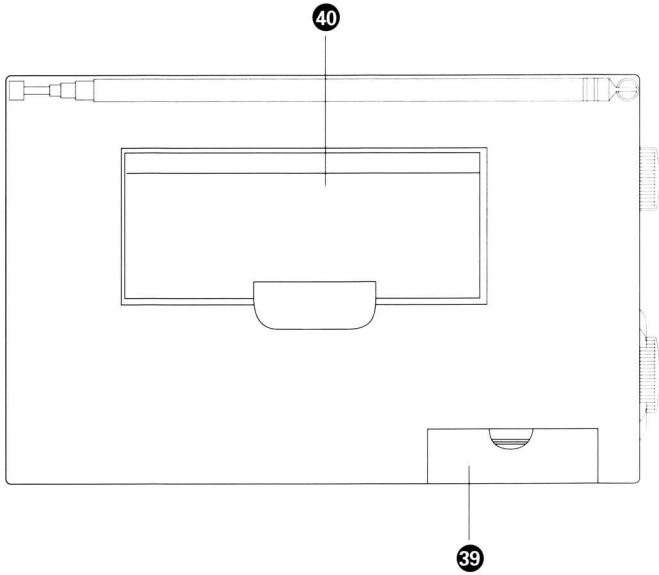
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FIG	BUT/SW MARKING	FUNCTION					
1	POWER	PWR. ON/OFF/ALARM OFF/SLEEP FUNCTION					
2	☼	DAYLIGHT SAVINGS TIME SWITCH					
3	☼	DISPLAY LIGHT					
4	SET	TIME SET					
		BAND					
5	MANUAL TUNING/ STEP		FM	LW	MW	SW	AM USB/LSB
		Step					
		Fast	100 kHz	9 kHz	9/10 kHz	5 kHz	1 kHz
		Slow	50 kHz	1 kHz	1 kHz	1kHz	40 Hz
6	TIMER	SLEEP TIMERS (1,2,3) [1] [2] [3]					
7	MODE [⏰/♪]	SELECT MODE (SELECTS USB/LSB/AM AND WAKE-UP ALARM BY RADIO OR HWS BUZZER					
8	WORLD [HOME]	HOME/WORLD TIME SELECTION					
9	LOCK [🔑]	LOCK SWITCH (LOCKS ALL SETTINGS)					
10	UP/DOWN TUNING	MANUAL TUNING/AUTO TUNING/PAGE SELECTION/EDIT/HOME-WORLD TIME SEARCH					
11	PAGE (PAGE)	PAGE SELECTION: 2 PAGES MW/FM 1 PAGE LW 29 PAGES SW					
12	EDIT (EDIT)	EDIT/CREATE STATION NAME AND HOME/WORLD CITY NAME					
13	PRIORITY	INSTANT RECALL FAVORITE STATION					
14	RESET	CLEARS TIME & MICROPROCESSOR					
15	FREQ (F)	ALLOWS DIRECT FREQUENCY INPUT					
16	MEMO (M)	ALLOWS MEMORY INPUT					

17	↵	ENTER SELECTION/0 SEC. TIME SET
18	C	SELECTION CANCEL/11 M SELECT
19	0	DIGIT INPUT/CLOCK/MEMORY & SW BAND
20	•	DECIMAL POINT/SW 15 METRE BAND
21	METRE/SW	SELECTS SW BAND
22	ATS/MW	SELECTS MW BAND/PRESETS ALL STATIONS
23	ATS/LW	SELECTS LW BAND/PRESETS ALL STATIONS
24	ATS/FM	SELECTS FM BAND/PRESETS ALL STATIONS
25	AM RF GAIN	ADJUSTS LEVEL OF INCOMING SIGNAL TO PREVENT OVERLOAD AND DISTORTION
26	AM EXT ANT	JACK FOR EXTERNAL AM ANTENNA
27	REC/STAND BY	TURN-ON FOR EXTERNAL RECORDER
28	REC/LINE OUT	AUDIO OUTPUT
29		HEADPHONE JACK
30	DC IN 6VDC	JACK FOR EXTERNAL 6VDC POWER ADAPTER
31	ROTARY TUNING KNOB	EDIT CHARACTERS SELECTED/FREQUENCY ADJUSTMENT,HOME-WORLD CITY SELECTION,SW PAGE SELECTION
32	TIME SET	SELECTS AUTO OR MANUAL MODE FOR TIME SET
33	WIDE NARROW	AM WIDE/NARROW FILTER/FM MONO STEREO SELECTOR
34	VOLUME	ADJUSTS VOLUME LEVEL
35	TONE	TONE CONTROL (NEWS,MUSIC,NORMAL)
36	MW STEP	US/FOREIGN STATION FREQ. SPACING, (9KHZ/10KHZ)
37	TELESCOPING ANTENNA	
38	LCD DISPLAY	
39	BATTERY COMPARTMENT	
40	FOLDING STAND	

DISPLAY ICONS

a. HOME/WORLD TIME
b. DAYLIGHT SAVINGS TIME
c. TIME

d. SNOOZE ICON
e. SLEEP TIMER ICON
f. TIMER
g. RADIO WAKE-UP
h. HWS BUZZER WAKE-UP
I. SELECTED TIMER
j. BATTERY SYMBOL ICON
k. SIGNAL/BATTERY LEVEL
l. ROTARY TUNING SPEED
m. STATION/CITY
n. FREQUENCY
o. RDS SYMBOL
p. FM STEREO INDICATOR
q. MEMORY LOCKED
r. MEMORY PRESETS
s. PAGE
t. BAND SELECTED
u. AM MODE SELECTION (AM,LSB,USB)
v. SW METRE BAND
w. SYSTEM LOCK
x. DIGIT FOR MEMORY SLOT

POWER SUPPLY

The R 861 operates on 4xLR6 (AA Size) Batteries. If an external adapter is used it must be capable of providing 6.0VDC, 300ma. with center connector negative.

CHANGING BATTERIES

Press and remove battery cover in the direction as indicated by the arrow on the cover. **Insert 4xLR6 (AA Size) batteries with polarities exactly as shown on diagram next to battery cover. Slide battery cover back into place in direction of arrow until case snaps into place.**

Each time the **R 861** is turned off the battery icon and battery level indicator will remain on for approximately 7 seconds. Batteries should be replaced when level indicator drops to 2/and or the battery symbol flashes.

Batteries must be replaced within 3 minutes to retain clock display. (Input memory will remain intact even during power failure because receiver is equipped with EEPROM memory)

USING EXTERNAL AC ADAPTER

The **R 861** can be used on AC by using the **ROBERTS** AC Adapter included with this radio. When connected the batteries within the radio will be automatically disconnected.

SETTING THE CLOCK (REAL TIME)

In keeping with world wide short wave protocol time is programmed on a 24 hour basis. (Greenwich

Mean Time).

The clock can be set with the power on or off. The clock display will start to run as soon as batteries are inserted. Press button (4) (Time Set). Display time digit will be blank and Home display will flash. Use digital buttons (19) to enter the actual time in hours and minutes. (Don't forget time must be entered on a 24 hour basis). Once entered, hours and minutes will be displayed in display. To start clock press (17) (↵).

To cancel an incorrect entry press button 18 (C). One digit is deleted every time the button is pressed.

SETTING WORLD TIME

The **R 861** is preprogrammed to provide the correct time for 42 cities worldwide. Each cities time is correct once your own city time zone is inserted into the system.

Once you have inserted the correct time for your city as described previously push button 8 [HOME] (World/Home). Home display will begin to flash. Using rotary knob 31 select your city or any designated city that shares your same time zone and push button (↵). Displayed city will remain for about 2 seconds and disappear. To recall home city press Home/World button again. Once above is completed it is only necessary to press World/Home button and use rotary knob 31 to get the correct time in any city displayed.

If you would like to display and monitor another world city/time zone rather then your own home time press World/Time (8) until World flashes. Rotate rotary knob to select world/\ city/zone you would like to display and monitor. Press (↵) button. New time will appear and remain in display. World city name will disappear from display within 2 seconds.

ADDING YOUR OWN WORLD CITY

You may program 1 world city of your choice into the receiver if it is not among the 42 cities already programmed into the receiver.

Push Home/World button. Home display will flash. Using Rotary Knob select correct city/time zone required. Press button 12 (Edit Button) and using Rotary Knob and up/down buttons (10) enter the correct city name you desire. When name is completely entered press button (17) (↵).

RADIO OPERATION

The selection of radio bands FM/LW/MW/SW is made by selecting buttons (21-24).

Button	Band	Frequency Range	Wavelength
24	FM	87.5-108 MHZ	VHF/FM
23	LW	153-513 kHz	Long Wave
22	MW(AM)	520-1710 kHz	Medium Wave
21	SW	1711-29999 kHz	Short Wave

The **R 861** is a continuously tunable receiver from 153 kHz-29999 kHz. This receiver is capable of receiving and tuning all the short wave bands and any stations in between.

TUNING METHODS

This receiver offers 5 methods of frequency tuning:

ATS-Auto Tuning	This system automatically sets your memory presets based upon the signal strength of the received station
Direct Tuning	Frequency of desired station is entered into receiver using key pad on receiver
Manual Tuning	Station is selected by manually using Rotary Knob.
Scan Tuning	Pressing and momentarily holding UP/DOWN will automatically scan frequency band and stop when a station is detected
Memory Tuning	Stations preselected using memory will be selected merely by pressing digital buttons on key pad.

ATS-Automatic Tuning System

The **R 861** features an automatic tuning system that will quickly and automatically set all your memory presets on FM, LW and MW based upon the signal strength of the incoming stations. Among the many conveniences offered by this feature it is especially useful for the traveler who can automatically find all the local stations in any strange city he may travel to with just the push of a button.

To start ATS press and hold for more then 2 seconds the buttons designated ATS/FM or ATS/LW or ATS/MW. The display will flash *ATS* and the memory presets M1 through M9 are assigned stations selected automatically by the ATS system. The ATS system will automatically store 18 presets on MW and FM and 9 presets on LW. (9 presets on each page. Once the ATS has set the 9 presets on 1 page press the Page button to change pages and repeat the ATS procedure to select the remaining presets). An audible signal indicates the automatic search has been completed and the presets have been assigned. ATS is not possible on the SW Bands.

DIRECT TUNING USING KEY PAD

If you know the frequency of the station you are seeking press button (15) [FREQ] and enter the frequency you desire directly using the numerical key pad. Don't forget to use the decimal point button if the frequency you are entering has a decimal point in its frequency. Press button (17) [↵] to enter the frequency.

MANUAL TUNING (ROTARY TUNING)

Manual Tuning is accomplished using the convenient Rotary Tuning Knob (31).

The Step button (5) is used to determine the tuning spread for each step of the Rotary Tuning Knob. Spread may be changing accordingly:

	BANDS				
	FM	LW	MW	SW	AM USB/LSB
STEP					
Fast	100 kHz	9 kHz	9/10 kHz	5 kHz	1 kHz
Slow	50 kHz	1 kHz	1 kHz	1 kHz	40 Hz

AUTO/MANUAL SCAN TUNING

To start Auto Scan Tuning select band to tune and press one of the tuning buttons (10) for more then ½ second. Once scan starts release button. The Auto Scan stops as soon as a station of adequate signal strength is located. Repeat operation to start scan again. Scan can be halted by pressing the tuning button (10) momentarily any time during the scanning process.

To manually tune to a frequency of your choice hold down one of the tuning buttons (10) until the frequency desired is displayed.

MEMORY TUNING

It is possible to preset up to 306 stations using the memory capability of the **R 861** Each 9 presets compromise 1 page. The SW band is capable of storing 29 pages or 261 preset stations (29 Pages X 9 Presets/Page): 18 Presets on FM and MW(2 Pages X 9 Presets) and 9 presets on LW.

To Manually Set Memory on FM/MW/LW Bands:
Tune to station you would like to program into memory. Press memo button (16) [M], MEMO will flash in LCD display, select page desired by pressing PAGE button [11]. Display will flash and next available position on display will flash if an available position is available. If memory is full no suggested position will flash and LCD will display *MEMOFULL* when any button is depressed. Press [↵] button to assign new frequency to available flashing open position. If selected button is held for more then 2 seconds, even with *MEMOFULL* flashing, newly selected station will replace existing station.

To Manually Set Memory on SW Bands:
Tune to station you would like to program into memory. Press memo button (16) [M], MEMO will flash in LCD display. Select page desired by using UP/DOWN button [10]. Display will flash and next available position on display will flash if an available position is available. Press [↵] button to assign frequency to flashing available position. If memory is full no suggested position will flash and LCD will display *MEMOFULL* when any button is depressed. If selected button is held for more then 2 seconds, even with *MEMOFULL* flashing, newly selected station will replace existing station.

You may change or initiate any page name at any time by first selecting the page and then pressing the edit button (12) [EDIT] and using the Rotary Knob (31) to place an alphanumeric character in the name

space in the LCD Display. Once a character is selected you may move to the next position to place another character by using the UP/DOWN button (10). When name is completely entered press (↵) button.

RECALLING A STATION IN MEMORY

On LW, press ATS/LW button (23), then press any of the numbered buttons on the key pad.

On MW/FM, press ATS/MW button (22) [MW] or press ATS/ FM button (24), select desired page by pressing page button (11) [PAGE]) and then press any of the numbered buttons on the key pad.

On SW, press SW button (21) [SW], select desired page by pressing page button (11) [PAGE] and UP/DOWN button (10) until desired page is selected and then push ENTER button (17) [↵]. The receiver will then automatically search for the strongest frequency on that page. You may change the selected frequency using the numbered keys on the key pad.

CANCELING A STATION IN MEMORY

Recall the station in memory, press the memo button (16) [M] and then press the cancel button (18) [C].

LOCKING A STATION INTO MEMORY

After programming your stations into memory you may lock any station into memory to prevent accidental erasure or elimination should the ATS feature be turned on again.

To lock a station recall the station you wish locked and press MEMO button (16) [M] and then lock button (9) [⊶]. The display will show memo locked symbol whenever that station is selected. To remove station from locked position repeat above procedure and locked symbol will be removed and station will no longer be in locked state.

EXCHANGING STATION POSITIONS IN MEMORY

To move a station in memory to another position recall station. Press MEMO button (M), MEMO and position display will flash, press new position desired and a signal will be heard indicating the exchange has taken place and the positions have been swapped.

SELECTING A SW BAND

To select a SW Band press METRE/SW button (21) once and then press a second time. A flashing *m* will appear in the display. Any of the 14 SW Bands (11-120M) can now be selected. The band selected appears in the LCD display and will remain in the display as long as tuning activity remains within the metered band.

Band ranges are indicated in a convenient chart above the numbered keys on the key pad.

PRIORITY BUTTON (Instant Priority)

The PRIORITY button (13) [♪] allows instant recall to your favorite station from any frequency or band by

simply pressing one button. To program the Priority button recall your favorite station, press MEMO button (16) [M] and then press PRIORITY button (13) [♪].

ALARM FUNCTION

The **R 861** has three timer circuits as indicated by TIMER button (6) [1] [2] [3]. The alarm function may be set with the power on or off. To set the alarm tune to the station you would like to be awaken to. Press MEMO button [16]. Press one of the three timer buttons (6) [1] [2] [3]. The timer and button number will flash in the LCD display along with the icon indicating radio or buzzer for approximately 12 seconds. Select radio or buzzer by pressing MODE button (7). While flashing continues set time for alarm to come on using the numerical keys (19) on the key pad. When complete press ENTER key (17). Repeat steps for other timers.

In addition to being able to set 3 different wake up times it is possible to set each wake up time to a different frequency.

The alarm may be cancelled for 24Hrs by pressing the POWER/SLEEP button (1). To permanently cancel the alarm press the required TIMER button (6) followed by the Cancel button (18) 〔C〕.

SNOOZE FUNCTION

The radio or buzzer alarm can be silenced for 5 minutes by pressing any button (except POWER (1) or LCD DISPLAY LIGHT(3)). This sequence can be repeated during the alarm period. The Snooze function is indicated by the icon 〔D〕in the display.

SETTING THE SLEEP TIMER (AUTO SHUT-OFF)

The sleep timer allows the user to set the auto-shut off in 10 minutes decrements from 90 minutes to 10 minutes. To set auto shut-off press POWER/SLEEP button [1] and hold down. The display will show a bed symbol and a series of switch off times descending in time as long as the POWER/SLEEP button is depressed. Release button when shut off time desired is reached. Radio will remain on for selected length of time.

RDS FUNCTION

The **R 861** incorporates circuitry to receive FM stations transmitting an RDS (Radio Data System) signal. When receiving an RDS station the display will show the station call letters and if the RDS station is also transmitting a CT function (clock time) it will automatically correct the time every minute. It is important to make sure that the Home Time (as described under "SETTING THE CLOCK (REAL TIME)" is set correctly. In addition if your time zone is operating under Daylight Savings Time make sure the DST (Daylight Savings Time) button [2] is depressed. For the time function to operate the following conditions must exist:

a: TIME SET switch button (32) must be set in the AUTO position.
b: Radio must be on.
c: Radio must be tuned to an FM station transmitting RDS CT function.

SINGLE SIDE BAND (SSB) RECEPTION

SSB is very popular among ham and business radio users because of its signal intelligibility superiority. Many amateurs who operate SSB and transmit below 10 MHZ generally use the lower side band (LSB) while amateur and commercial stations transmitting above 10 MHZ generally use the USB. Your **R 861** is equipped to receive all USB and LSB transmissions. To receive SSB stations:

1] Turn the set on.
2] Extend the telescoping antenna full length and position upright or use external antenna.
3] Set the RF Gain Control [25] to maximum.
4] Select the SW band as described in "SELECTING A SW BAND"
5] If frequency of SSB station sought is known enter the frequency in accordance with earlier

instructions.

6] You may also scan the band for SSB stations by slowly rotating the Rotary Tuning Knob [31] through the selected band, tuning for the best intelligibility and watching for deflections on the Signal Strength Indicator [k] in the display. (SSB transmit with a "suppressed carrier" meaning the Signal Strength Indicator [k] in the display will fluctuate only when there is a voice transmission and not during pauses in voice transmission.

7] As soon as you have located a SSB station (you will not be able to understand the speech) switch to SSB reception by depressing the MODE button [7]. Continued pressing of the MODE button [7] will alternate between USB and LSB. Try LSB for frequencies below 10 MHZ or USB for frequencies above 10 MHZ.

8] After tuning for maximum intelligibility switch MANUAL TUNING/STEP switch [5] to Slow position and readjust Rotary Tuning Knob [31] for maximum intelligibility.

SWITCH SETTINGS

AM NARROW/WIDE (Switch 33)

For normal operation it is suggested that this switch be used in the wide position. If occasion arises where a near-by station interferes with the station being listened to the AM Narrow/Wide switch should be put into the narrow position.

STEREO RECEPTION

The **R 861** is designed to receive FM stereo broadcasts with headphones connected to the stereo headphone jack [29]. Switch 33 FM STEREO/MONO must be placed in the stereo position. Stereo icon will appear in LCD display if headphones are connected.

VOLUME CONTROL

To adjust the volume set volume control [34] to a comfortable position. Make sure that control is set to an adequate level when radio is set for waking up.

OPERATING LOCK (BUTTON 9) [⊶]

The operating lock prevents unintentional altering of any of the functions once set or accidently turning off the radio. Once set the ON/OFF switch and all tuning options become unalterable and can not be reactivated until the lock switch is turned off. It is a good policy to turn on the lock switch when transporting the radio as it will prevent the radio from being turned on accidently while in a bag or suitcase. To turn the lock switch on press switch (9) [⊶]. When the lock switch is the ON position a lock symbol [⊶] will appear in the display. To unlock radio press switch (9) [⊶] again. This will unlock the radio and remove the lock symbol from the display.

AERIALS

The **R 861** comes equipped with a integrated ferrite antenna built into the radio that should provide more then adequate reception for the MW and LW bands. For FM and SW reception it is advised that the telescoping antenna be extended and adjusted in length and direction for maximum results.

AER-1 PORTABLE SW ANTENNA

Included with the **R 861** is the ROBERTS **AER-1** Portable SW Antenna. The antenna is plugged into jack (26) labeled EXT AM ANT. When fully extended this antenna should improve SW reception. For maximum performance this antenna should be placed as high as possible above the ground and in an unobstructed area if possible.

MW STEP (36)

In Europe and most other parts of the world set the switch to the 9kHz position. For the USA and Canada set the switch to the 10kHz position.

RESET SWITCH

The Reset Switch (14) situated at the bottom of the receiver case will reset the Time and Microprocessor only. All memory presets will remain intact. Reprogram time in accordance to earlier instructions.

LCD DISPLAY LIGHT

Switch (3) [☼] is used to illuminate the display when it becomes too dark to see the display. The light will remain on approximately 12 seconds after initiated or will extinguish should any other function be activated.

If an AC adapter is being used the LCD display will be illuminated continuously while the radio is in operation.

TECHNICAL DATA

WAVEBANDS	FREQUENCY
FM (VHF)	87.5-108 MHZ
MW	520-1710 kHZ
LW	153-519 kHZ
SW (Short Wave)	1.711-29.999MHz

SHORT WAVE BAND	FREQUENCY (MHZ)
120M	2.300-2.495
90 M	3.200-3.400
75 M	3.900-4.000
60 M	4.750-5.060

49 M	5.900-6.200
41M	7.100-7.350
31 M	9.400-9.990
25 M	11.600-12.100
21 M	13.500-13.870
19 M	15.100-15.800
16 M	17.480-17.900
15 M	18.900-19.020
13 M	21.450-21.750
11 M	25.600-26.100

BATTERIES

4xLR6 (AA Size)

External Power Supply: 6.0VDC/300mA/ Negative Polarity Center
Dimensions in inches: (W x H x D): 8 1/4 X 5.0 X 1 ½
Weight in oz: 30

BATTERY LIFE
Approx. 16 hrs of use for 4 hours a day at normal volume, using Alkaline batteries.

The Company reserves the right to amend the specification without notice.

Imported by:-
ROBERTS RADIO LIMITED
PO BOX 130
MEXBOROUGH
SOUTH YORKSHIRE
S64 8YT

If you need any further advice, please call our Technical Helpline on 0181 758 0338 (Mon-Fri)

R861 Shortwave Frequency List

Page No	Station Name	Freq.	Page No	Station Name	Freq.	Page No	Station Name	Freq.	Page No	Station Name	Freq.	Page No	Station Name	Freq.
1	BBC WS	3955	5	BELGIUM	5900	12	FINLAND	6015	17	INDIA	7410	23	SWEDEN	6065
		5975			5910			6030			9950			7115
		6175			5985			6120			9910			7230
		6180			6035			9635			11620			7240
		6195			7250			11755						9655
		7110			9925			11805	18	ITALY	7235			9835
		7180						11880			7275			
		7325	6	BRAZIL	15265			15400			9575	24	SWIZ.LND	6165
		9410			15445						9645			7410
2	BBC WS	9590				13	GERMANY	3995			9710			7510
		9740	7	CANADA	5995			5960			11905			9535
		11750			6050			6075	19	JAPAN	5975			9885
		11955			7260			7285			6055			9905
		12095			9670			9545			6150			11640
		15070			9740			11795			6155			13635
		15280			11935			13690			7230			
		15310						13780			7240	25	TAIWAN	5950
3	BBC WS	15360	8	CHINA	3985			15275						9680
		15400			6950									17750
		15575			7170	14	GREECE	7450	20	POLAND	6035			21720
		17640			9920			9375			6095			
		17705						9420			7145	26	USA VOA	3985
		17830	9	CZECH	5930			9425			7270			6040
		17840			6055						7285			6130
		17885			7345	15	HOLLAND	6020			9525			7170
		21660			9430			6045			11815			7325
		21715			9440			7190						9700
4	AUSTRIA	5945			9505			7260	21	RUSSIA	5930			9760
		6155						9605			7105			
		9870	10	EGYPT	9900			9650			7125	27	USA CSM	5850
		9880						9720			7175			7510
		11780	11	FRANCE	6175			9810			7180			7535
		13730			9485						7205			9370
		15410			9805	16	HUNGARY	3975			7270			9430
		15450			11600			5935			7330			13770
					11615			5970			9450			17510
					13625			7250						21640
					15195			9835						
												28	VATICAN	4005
									22	SPAIN	6125			5882
											9540			6095
											9620			7250
											11775			11810
												29		

Guarantee

This instrument is guaranteed for twelve months from the date of delivery to the original owner against failure due to faulty workmanship or component breakdown, subject to the procedure stated below. Should any component or part fail during this guarantee period it will be repaired or replaced free of charge.

The guarantee does not cover:

1.Damage resulting from incorrect use.
2.Consequential damage.
3.Receivers with removed or defaced serial numbers.

N.B. Damaged or broken telescopic aerials will not be replaced under guarantee.

Procedure:

Any claim under this guarantee should be made through the dealer from whom the instrument was purchased It is likely that your Roberts dealer will be able to attend to any defect quickly and efficiently,but should it be necessary the dealer will return the instrument to the company's service department for attention. In the event that it is not possible to return the instrument to the Roberts dealer from whom it was purchased, please contact Roberts Radio service department at the address shown on the back page of this manual before taking further action.

These statements do not affect the statutory rights of a consumer.

ROBERTS RADIO TECHNICAL SERVICES DEPARTMENT

97-99 Worton Road
Isleworth Middlesex
TW7 6EG

Technical Helpline:-0181 758 0338

Issue 1

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